

**EXAMINER'S AMENDMENT**

1. . An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Thomas M Hardman (Reg. No. 51777) on 12 July 2010.

3. The application has been amended as follows:

***a. Amendment to the Specification :***

*Please amend Paragraph [0065] of the specification as follow.*

[0065] The object ID reader 604 also includes an image buffer 624. Under some circumstances (as will also be explained in greater detail below), captured images 626 may be stored, at least temporarily, in the image buffer 624. Additional details about a graphical code reader that includes at least one image buffer for image capture and decoding are provided in copending U.S. patent application Ser. No. 10/776,449, now US PAT. 7,519,239, entitled "Systems and Methods for Concurrent Image Capture and Decoding of Graphical Codes," filed

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Feb. 11, 2004, assigned to The Code Corporation and hereby incorporated by reference in its entirety.

***b. Amendment to the Claims :***

*The claims of this application have been amended as follow.*

1-32. (Canceled)

33. (New) An object identifier reader, comprising:

a processor;

a storage medium;

an image buffer;

a main task; and

a data task;

wherein the main task is executed by the processor to:

read an object identifier to obtain data, the data comprising an image of the object identifier;

store the data in the image buffer;

signal the data task that the image of the object identifier is stored in the image buffer; and

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wait for the data task to signal that the image buffer is no longer needed;  
and

wherein the data task is executed by the processor to:

receive a signal from the main task indicating that the image of the object identifier is available;

check if the object identifier reader is not connected to the host computing device, attempt to connect the object identifier reader to the host computing device;

check if the object identifier reader is connected to the host computing device, attempt to send the image of the object identifier to the host computing device;

check if the attempt to connect the object identifier reader to the host computing device is unsuccessful and if the attempt to send the image of the object identifier to the host computing device is unsuccessful, store the image of the object identifier in the storage medium; and

signal the main task that the image buffer is no longer needed.

34. (New) The object identifier reader of claim 33, wherein:

the object identifier reader further comprises a data task buffer;

the main task is executed by the processor to:

read an additional object identifier to obtain non-image data;

place the non-image data in the data task buffer; and

signal the data task that the non-image data is in the data task buffer; and  
the data task is executed by the processor to:

receive a signal from the main task indicating that the non-image data is available;

check if the object identifier reader is connected to the host computing device, attempt to send the non-image data in the data task buffer to the host computing device; and

check if the attempt to connect the object identifier reader to the host computing device is unsuccessful and if the attempt to send the non-image data to the host computing device is unsuccessful, store the non-image data in the storage medium.

35. (New) The object identifier reader of claim 33, wherein the object identifier reader is configured to clear the data from the storage medium when the stored data is sent to the host computing device.

36. (New) The object identifier reader of claim 33, wherein the storage medium comprises non-volatile storage.

37. (New) The object identifier reader of claim 36, wherein the storage medium further comprises volatile storage.

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38. (New) The object identifier reader of claim 33, further comprising an additional storage medium for storing a copy of the data as a log.

39. (New) The object identifier reader of claim 33, wherein the object identifier reader is configured to save metadata in the storage medium to differentiate buffered data from log data.

40. (New) The object identifier reader of claim 33, wherein the object identifier reader is configured to disconnect from the host computing device if the object identifier reader is connected to the host computing device and the object identifier reader does not have any data to send to the host computing device.

41. (New) The object identifier reader of claim 33, wherein the object identifier reader is configured to enter a power-saving mode if the storage medium is empty and if the object identifier reader cannot connect to the host computing device after a period of time.

***Allowable Subject Matter***

4. Claims **33-41** are allowed.

5. The following is an examiner's statement of reasons for allowance:

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The arts of record used as the basis for the previous rejection, Catan (US 20020143643) , Schmidt et al (US 20040016812) and Zhu et al (US 20050103854), do not expressly teach or render obvious the invention as recited in independent **claim 33**.

a. As to **claim 33**, the art of record does not expressly teach "wherein the main task is executed by the processor to: read an object identifier to obtain data, the data comprising an image of the object identifier; store the data in the image buffer; signal the data task that the image of the object identifier is stored in the image buffer; and wait for the data task to signal that the image buffer is no longer needed; and wherein the data task is executed by the processor to: receive a signal from the main task indicating that the image of the object identifier is available; if the object identifier reader is not connected to the host computing device, attempt to connect the object identifier reader to the host computing device; if the object identifier reader is connected to the host computing device, attempt to send the image of the object identifier to the host computing device; if the attempt to connect the object identifier reader to the host computing device is unsuccessful and if the attempt to send the image of the object identifier to the host computing device is unsuccessful, store the image of the object identifier in the storage medium; and signal the main task that the image buffer is no longer needed ", as a whole. More over, the art of record does not provide a basis of evidence for asserting a motivation driven from the art or from one knowledgeable in the art, that one of ordinary skill in the art at the time the invention was made would have

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modified the object identifier reader to combine the disclosed limitations as recited in the context of **Claim 33**.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdou Karim Seye whose telephone number is 571-270-1062. The examiner can normally be reached on Monday - Friday 8:30 - 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sough Hyung can be reached on (571)272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Hyung S. Sough/

Supervisory Patent Examiner, Art Unit 2194

July 16, 2010

/Abdou Karim Seye/

Examiner, Art Unit 2194